

CHAPTER 4
REINFORCEMENT

BLM 4-3

The Particle Theory

Goal • Demonstrate your understanding of the particle theory.

What to Do

1. There are three circles below, labelled solid, liquid, and gas. Use Xs to represent particles of matter. Draw Xs inside each circle to illustrate the distance between particles in each state of matter.

2. Use your knowledge of the particle theory of matter to fill in the blanks in the following sentences.

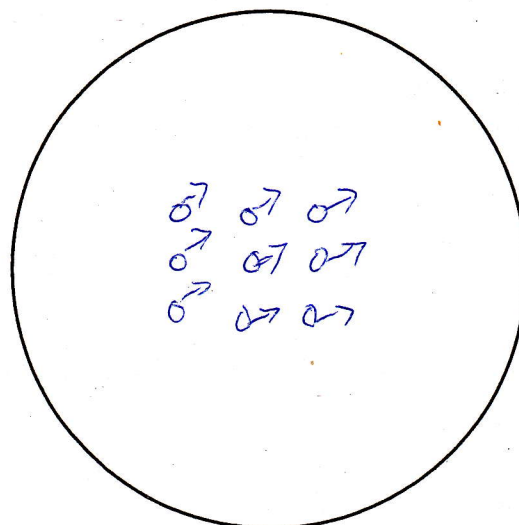
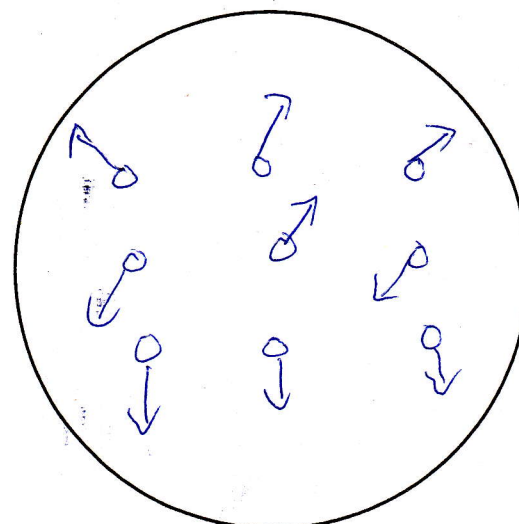
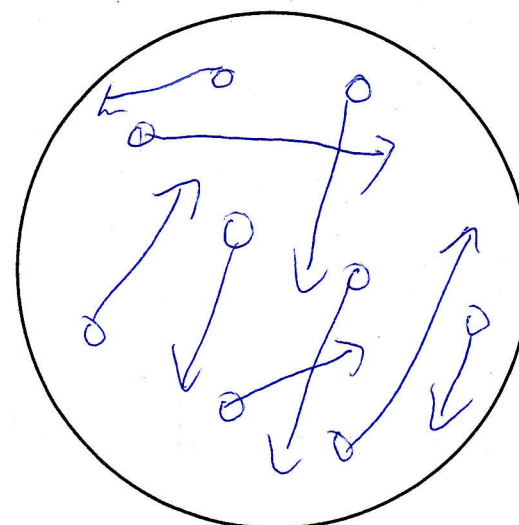
(a) Solids, liquids and gases are made up of particles.

(b) A Solid is made up of particles that are closely packed together.

(c) A gas is made up of particles that are farthest apart.

(d) Particles in a liquid are far apart than those in a solid.

(e) The Particle Theory of matter explains the differences in states of matter.

**Solid****Liquid****Gas**